FIGURE 1

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   1 GAATTCAAGA CCAGCCTGGA CAACTTGGAA GAACCCGGTC TCTACAAAAA ATACAAAATT
  61 AGCTGGGATT GGGTGCGGTG GCTCATGCCT ATAATCCCAG CACTTTGGGA GCCTGAGGTG
 121 GGTGGATCAC CTGAAGTCAG GAGTTCAAGA CTAGCCTGGC CAACATGGTG AAACCCTATC
 181 TCTACTGAAA ATACAAAAAG CTAGACGTGG TGGCACACAC CTGTAATCCC AGCTACTTAG
 241 GAGGCTGAGG CAGGAGAATT GCTTGAAGCC TAGAGGTGAA GGTTGTAGTG AGCCGAGATT
 301 GCATCATTGC ACAATGGAGG GGAGCCACCA GCCTGGGCAA CAAGAGGAAA TCTCCGTCTC
 361 CAAAAAAAAA AAAAAAAAAA AAAGAATTAG GCTGGGTGGT GCCTGTAGTC CCAGCTACTT
 421 GGGAGGCAGG GGGTCCACTT GATGTCGAGA CTGCAGTGAG CCATGATCCT GCCACTGCAC
 481 TCCGGCCTGG GCAACAGAGT GAGACCCTGT CTAAAGAAAA AAAAAATAAA GCAACATATC
 541 CTGAACAAAG GATCCTCCAT AACGTTCCCA CCAGATTTCT AATCAGAAAC ATGGAGGCCA
 601 GAAAGCAGTG GAGGAGGACG ACCCTCAGGC AGCCCGGGAG GATGTTGTCA CAGGCTGGGG
 661 CAAGGGCCTT CCGGCTACCA ACTGGGAGCT CTGGGAACAG CCCTGTTGCA AACAAGAAGC
 721 CATAGCCCGG CCAGAGCCCA GGAATGTGGG CTGGGCTGGG AGCAGCCTCT GGACAGGAGT
 781 GGTCCCATCC AGGAAACCTC CGGCATGGCT GGGAAGTGGG GTACTTGGTG CCGGGTCTGT
 841 ATGTGTGTGT GACTGGTGTG TGTGAGAGAG AATGTGTGCC CTAAGTGTCA GTGTGAGTCT
 901 GTGTATGTGT GAATATTGTC TTTGTGTGGG TGATTTTCTG CGTGTGTAAT CGTGTCCCTG
 961 CAAGTGTGAA CAAGTGGACA AGTGTCTGGG AGTGGACAAG AGATCTGTGC ACCATCAGGT
1021 GTGTGCATAG CGTCTGTGCA TGTCAAGAGT GCAAGGTGAA GTGAAGGGAC CAGGCCCATG
1081 ATGCCACTCA TCATCAGGAG CTCTAAGGCC CCAGGTAAGT GCCAGTGACA GATAAGGGTG
1141 CTGAAGGTCA CTCTGGAGTG GGCAGGTGGG GGTAGGGAAA GGGCAAGGCC ATGTTCTGGA
1201 GGAGGGGTTG TGACTACATT AGGGTGTATG AGCCTAGCTG GGAGGTGGAT GGCCGGGTCC
1261 ACTGAAACCC TGGTTATCCC AGAAGGCTTT GCAGGCTTCA GGAGCTTGGA GTGGGGAGAG
1321 GGGGTGACTT CTCCGACCAG GCCCCTCCAC CGGCCTACCC TGGGTAAGGG CCTGGAGCAG
1381 GAAGCAGGGG CAAGAACCTC TGGAGCAGCC CATACCCGCC CTGGCCTGAC TCTGCCACTG
1441 GCAGCACAGT CAACACAGCA GGTTCACTCA CAGCAGAGGG CAAAGGCCAT CATCAGCTCC
1501 CTTTATAAGG GAAGGGTCAC GCGCTCGGTG TGCTGAGAGT GTCCTGCCTG GTCCTCTGTG
1561 CCTGGTGGGG TGGGGGTGCC AGGTGTGTCC AGAGGAGCCC ATTTGGTAGT GAGGCAGGTA
1621 TGGGGCTAGA AGCACTGGTG CCCCTGGCCG TGATAGTGGC CATCTTCCTG CTCCTGGTGG
1681 ACCTGATGCA CCGGCGCCAA CGCTGGGCTG CACGCTACCC ACCAGGCCCC CTGCCACTGC
1741 CCGGGCTGGG CAACCTGCTG CATGTGGACT TCCAGAACAC ACCATACTGC TTCGACCAGG
1801 TGAGGGAGGA GGTCCTGGAG GGCGGCAGAG GTGCTGAGGC TCCCCTACCA GAAGCAAACA
1861 TGGATGGTGG GTGAAACCAC AGGCTGGACC AGAAGCCAGG CTGAGAAGGG GAAGCAGGTT
1921 TGGGGGACGT CCTGGAGAAG GGCATTTATA CATGGCATGA AGGACTGGAT TTTCCAAAGG
1981 CCAAGGAAGA GTAGGGCAAG GGCCTGGAGG TGGAGCTGGA CTTGGCAGTG GGCATGCAAG
2041 CCCATTGGGC AACATATGTT ATGGAGTACA AAGTCCCTTC TGCTGACACC AGAAGGAAAG
2101 GCCTTGGGAA TGGAAGATGA GTTAGTCCTG AGTGCCGTTT AAATCACGAA ATCGAGGATG
2161 AAGGGGGTGC AGTGACCCGG TTCAAACCTT TTGCACTGTG GGTCCTCGGG CCTCACTGCC
2221 TCACCGGCAT GGACCATCAT CTGGGAATGG GATGCTAACT GGGGCCTCTC GGCAATTTTG
2281 GTGACTCTTG CAAGGTCATA CCTGGGTGAC GCATCCAAAC TGAGTTCCTC CATCACAGAA
2341 GGTGTGACCC CCACCCCCGC CCCACGATCA GGAGGCTGGG TCTCCTCCTT CCACCTGCTC
2401 ACTCCTGGTA GCCCCGGGGG TCGTCCAAGG TTCAAATAGG ACTAGGACCT GTAGTCTGGG
2461 GTGATCCTGG CTTGACAAGA GGCCCTGACC CTCCCTCTGC AGTTGCGGCG CCGCTTCGGG
2521 GACGTGTTCA GCCTGCAGCT GGCCTGGACG CCGGTGGTCG TGCTCAATGG GCTGGCGGCC
2581 GTGCGCGAGG CGCTGGTGAC CCACGGCGAG GACACCGCCG ACCGCCCGCC TGTGCCCATC
2641 ACCCAGATCC TGGGTTTCGG GCCGCGTTCC CAAGGCAAGC AGCGGTGGGG ACAGAGACAG
2701 ATTTCCGTGG GACCCGGGTG GGTGATGACC GTAGTCCGAG CTGGGCAGAG AGGGCGCGGG
2761 GTCGTGGACA TGAAACAGGC CAGCGAGTGG GGACAGCGGG CCAAGAAACC ACCTGCACTA
2821 GGGAGGTGTG AGCATGGGGA CGAGGGCGGG GCTTGTGACG AGTGGGCGGG GCCACTGCCG
2881 AGACCTGGCA GGAGCCCAAT GGGTGAGCGT GGCGCATTTC CCAGCTGGAA TCCGGTGTCG
2941 AAGTGGGGGC GGGGACCGCA CCTGTGCTGT AAGCTCAGTG TGGGTGGCGC GGGGCCCGCG
3001 GGGTCTTCCC TGAGTGCAAA GGCGGTCAGG GTGGGCAGAG ACGAGGTGGG GCAAAGCCTG
3061 CCCCAGCCAA GGGAGCAAGG TGGATGCACA AAGAGTGGGC CCTGTGACCA GCTGGACAGA
3121 GCCAGGGACT GCGGGAGACC AGGGGGAGCA TAGGGTTGGA GTGGGTGGTG GATGGTGGGG
3181 CTAATGCCTT CATGGCCACG CGCACGTGCC CGTCCCACCC CCAGGGGTGT TCCTGGCGCG
3241 CTATGGGCCC GCGTGGCGCG AGCAGAGGCG CTTCTCCGTG TCCACCTTGC GCAACTTGGG
3301 CCTGGGCAAG AAGTCGCTGG AGCAGTGGGT GACCGAGGAG GCCGCCTGCC TTTGTGCCGC
3361 CTTCGCCAAC CACTCCGGTG GGTGATGGGC AGAAGGGCAC AAAGCGGGAA CTGGGAAGGC
3421 GGGGGACGGG GAAGGCGACC CCTTACCCGC ATCTCCCACC CCCAGGACGC CCCTTTCGCC
3481 CCAACGGTCT CTTGGACAAA GCCGTGAGCA ACGTGATCGC CTCCCTCACC TGCGGGCGCC
3541 GCTTCGAGTA CGACGACCCT CGCTTCCTCA GGCTGCTGGA CCTAGCTCAG GAGGGACTGA
3601 AGGAGGAGTC GGGCTTTCTG CGCGAGGTGC GGAGCGAGAG ACCGAGGAGT CTCTGCAGGG
3661 CGAGCTCCCG AGAGGTGCCG GGGCTGGACT GGGGCCTCGG AAGAGCAGGA TTTGCATAGA
3721 TGGGTTTGGG AAAGGACATT CCAGGAGACC CCACTGTAAG AAGGGCCTGG AGGAGGAGGG
3781 GACATCTCAG ACATGGTCGT GGGAGAGGTG TGCCCGGGTC AGGGGGCACC AGGAGAGGCC
3841 AAGGACTCTG TACCTCCTAT CCACGTCAGA GATTTCGATT TTAGGTTTCT CCTCTGGGCA
3901 AGGAGAGAGG GTGGAGGCTG GCACTTGGGG AGGGACTTGG TGAGGTCAGT GGTAAGGACA
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3961 GGCAGGCCCT GGGTCTACCT GGAGATGGCT GGGGCCTGAG ACTTGTCCAG GTGAACGCAG
4021 AGCACAGGAG GGATTGAGAC CCCGTTCTGT CTGGTGTAGG TGCTGAATGC TGTCCCCGTC
4081 CTCCTGCATA TCCCAGCGCT GGCTGGCAAG GTCCTACGCT TCCAAAAGGC TTTCCTGACC
4141 CAGCTGGATG AGCTGCTAAC TGAGCACAGG ATGACCTGGG ACCCAGCCCA GCCCCCCCGA
4201 GACCTGACTG AGGCCTTCCT GGCAGAGATG GAGAAGGTGA GAGTGGCTGC CACGGTGGGG
4261 GGCAAGGGTG GTGGGTTGAG CGTCCCAGGA GGAATGAGGG GAGGCTGGGC AAAAGGTTGG
4321 ACCAGTGCAT CACCCGGCGA GCCGCATCTG GGCTGACAGG TGCAGAATTG GAGGTCATTT
4381 GGGGGCTACC CCGTTCTGTC CCGAGTATGC TCTCGGCCCT GCTCAGGCCA AGGGGAACCC
4441 TGAGAGCAGC TTCAATGATG AGAACCTGCG CATAGTGGTG GCTGACCTGT TCTCTGCCGG
4501 GATGGTGACC ACCTCGACCA CGCTGGCCTG GGGCCTCCTG CTCATGATCC TACATCCGGA
4561 TGTGCAGCGT GAGCCCATCT GGGAAACAGT GCAGGGGCCG AGGGAGGAAG GGTACAGGCG
4621 GGGGCCCATG AACTTTGCTG GGACACCCGG GGCTCCAAGC ACAGGCTTGA CCAGGATCCT
4681 GTAAGCCTGA CCTCCTCCAA CATAGGAGGC AAGAAGGAGT GTCAGGGCCG GACCCCCTGG
4741 GTGCTGACCC ATTGTGGGGA CGCATGTCTG TCCAGGCCGT GTCCAACAGG AGATCGACGA
4801 CGTGATAGGG CAGGTGCGGC GACCAGAGAT GGGTGACCAG GCTCACATGC CCTACACCAC
4861 TGCCGTGATT CATGAGGTGC AGCGCTTTGG GGACATCGTC CCCCTGGGTG TGACCCATAT
4921 GACATCCCGT GACATCGAAG TACAGGGCTT CCGCATCCCT AAGGTAGGCC TGGCGCCCTC
4981 CTCACCCCAG CTCAGCACCA GCACCTGGTG ATAGCCCCAG CATGGCTACT GCCAGGTGGG
5041 CCCACTCTAG GAACCCTGGC CACCTAGTCC TCAATGCCAC CACACTGACT GTCCCCACTT
5101 GGGTGGGGGG TCCAGAGTAT AGGCAGGGCT GGCCTGTCCA TCCAGAGCCC CCGTCTAGTG
5161 GGGAGACAAA CCAGGACCTG CCAGAATGTT GGAGGACCCA ACGCCTGCAG GGAGAGGGGG
5221 CAGTGTGGGT GCCTCTGAGA GGTGTGACTG CGCCCTGCTG TGGGGTCGGA GAGGGTACTG
5281 TGGAGCTTCT CGGGCGCAGG ACTAGTTGAC AGAGTCCAGC TGTGTGCCAG GCAGTGTGTG
5341 TCCCCCGTGT GTTTGGTGGC AGGGGTCCCA GCATCCTAGA GTCCAGTCCC CACTCTCACC
5401 CTGCATCTCC TGCCCAGGGA ACGACACTCA TCACCAACCT GTCATCGGTG CTGAAGGATG
5461 AGGCCGTCTG GGAGAAGCCC TTCCGCTTCC ACCCCGAACA CTTCCTGGAT GCCCAGGGCC
5521 ACTTTGTGAA GCCGGAGGCC TTCCTGCCTT TCTCAGCAGG TGCCTGTGGG GAGCCCGGCT
5581 CCCTGTCCCC TTCCGTGGAG TCTTGCAGGG GTATCACCCA GGAGCCAGGC TCACTGACGC
5641 CCCTCCCCTC CCCACAGGCC GCCGTGCATG CCTCGGGGAG CCCCTGGCCC GCATGGAGCT
5701 CTTCCTCTTC TTCACCTCCC TGCTGCAGCA CTTCAGCTTC TCGGTGCCCA CTGGACAGCC
5761 CCGGCCCAGC CACCATGGTG TCTTTGCTTT CCTGGTGAGC CCATCCCCCT ATGAGCTTTG
5821 TGCTGTGCCC CGCTAGAATG GGGTACCTAG TCCCCAGCCT GCTCCCTAGC CAGAGGCTCT
5881 AATGTACAAT AAAGCAATGT GGTAGTTCCA ACTCGGGTCC CCTGCTCACG CCCTCGTTGG
5941 GATCATCCTC CTCAGGGCAA CCCCACCCCT GCCTCATTCC TGCTTACCCC ACCGCCTGGC
6001 CGCATTTGAG ACAGGGGTAC GTTGAGGCTG AGCAGATGTC AGTTACCCTT GCCCATAATC
6061 CCATGTCCCC CACTGACCCA ACTCTGACTG CCCAGATTGG TGACAAGGAC TACATTGTCC
6121 TGGCATGTGG GGAAGGGGCC AGAATGGGCT GACTAGAGGT GTCAGTCAGC CCTGGATGTG
6181 GTGGAGAGGG CAGGACTCAG CCTGGAGGCC CATATTTCAG GCCTAACTCA GCCCACCCCA
6241 CATCAGGGAC AGCAGTCCTG CCAGCACCAT CACAACAGTC ACCTCCCTTC ATATATGACA
6301 CCCCAAAACG GAAGACAAAT CATGGCGTCA GGGAGCTATA TGCCAGGGCT ACCTACCTCC
6361 CAGGGCTCAG TCGGCAGGTG CCAGAACGTT CCCTGGGAAG GCCCCATGGA AGCCCAGGAC
6421 TGAGCCACCA CCCTCAGCCT CGTCACCTCA CCACAGGACT GGCTACCTCT CTGGGCCCTC
6481 AGGGATGCTG CTGTACAGAC CCCTGACCAG TGACGAGTTC GCACTCAGGG CCAGGCTGGC
6541 GCTGGAGGAG GACACTTGTT TGGCTCCAAC CCTAGGTACC ATCCTCCCAG TAGGGATCAG
6601 GCAGGGCCCA CAGGCCTGCC CTAGGGACAG GAGTCAACCT TGGACCCATA AGGCACTGGG
6661 GCGGGCAGAG AAGGAGGAGG TGGCATGGGC AGCTGAGAGC CAGAGACCCT GACCCTAGTC
6721 CTTGCTCTGC CATTACCCCG TGTGACCCCG GGCCCACCCT TCCCCACCCT TCCCCACCCC
6781 GGGCTTCTGT TTCCTTCTGC CAACGAGAAG GCTGCTTCAC CTGCCCCGAG TCCTGTCTTC
6841 CTGCTCTGCC TTCTGGGGCT GTGGCCCTTG CTGGCCTGGA GCCCCAACCA AGGGCAGGGA
6901 CTGCTGTCCT CCACGTCTGT CCTCACCGAC ATAATGGGCT GGGCTGGGCA CACAGGCAGT
6961 GCCCAAGAGT TTCTAATGAG CATATGATTA CCTGAGTCCT GGGCAGACCT TCTTAGGGAA
7021 CAGCCTGGGA CAGAGAACCA CAGACACTCT GAGGAGCCAC CCTGAGGCCT CTTTTGCCAG
7081 AGGACCCTAC AGCCTCCCTG GCAGCAGTTC CGCCAGCATT TCTGTAAATG CCCTCATGCC
7141 AGGGTGCGGC CCGGCTGTCA GCACGAGAGG GACGTTGGTC TGTCCCCTGG CACCGAGTCA
7201 GTCAGAAGGG TGGCCAGGGC CCCCTTGGGC CCCTCCAGAG ACAATCCACT GTGGTCACAC
7261 GGCTCGGTGG CAGGAAGTGC TGTTCCTGCA GCTGTGGGGA CAGGGAGTGT GGATGAAGCC
7321 AGGCTGGGTT TGTCTGAAGA CGGAGGCCCC GAAAGGTGGC AGCCTGGCCT ATAGCAGCAG
7381 CAACTCTTGG ATTTATTGGA AAGATTTTCT TCACGGTTCT GAGTCTTGGG GGTGTTAGAG
7441 GCTCAGAACC AGTCCAGCCA GAGCTCTGTC ATGGGCACGT AGACCCGGTC CCAGGGCCTT
7501 TGCTCTTTGC TGTCCTCAGA GGCCTCTGCA AAGTAGAAAC AGGCAGCCTT GTGAGTCCCC
7561 TCCTGGGAGC AACCAACCCT CCCTCTGAGA TGCCCCGGGG CCAGGTCAGC TGTGGTGAAA
7621 GGTAGGGATG CAGCCAGCTC AGGGAGTGGC CCAGAGTTCC TGCCCACCCA AGGAGGCTCC
7681 CAGGAAGGTC AAGGCACCTG ACTCCTGGGC TGCTTCCCTC CCCTCCCCTC CCCAGGTCAG
7741 GAAGGTGGGA AAGGGCTGGG GTGTCTGTGA CCCTGGCAGT CACTGAGAAG CAGGGTGGAA
7801 GCAGCCCCCT GCAGCACGCT GGGTCAGTGG TCTTACCAGA TGGATACGCA GCAACTTCCT
7861 TTTGAACCTT TTTATTTTCC TGGCAGGAAG AAGAGGGATC CAGCAGTGAG ATCAGGCAGG
7921 TTCTGTGTTG CACAGACAGG GAAACAGGCT CTGTCCACAC AAAGTCGGTG GGGCCAGGAT
7981 GAGGCCCAGT CTGTTCACAC ATGGCTGCTG CCTCTCAGCT CTGCACAGAC GTCCTCGCTC
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8041 CCCTGGGATG GCAGCTTGGC CTGCTGGTCT TGGGGTTGAG CCAGCCTCCA GCACTGCCTC
8101 CCTGCCCTGC TGCCTCCCAC TCTGCAGTGC TCCATGGCTG CTCAGTTGGA CCCACGCTGG
8161 AGACGTTCAG TCGAAGCCCC GGGCTGTCCT TACCTCCCAG TCTGGGGTAC CTGCCACCTC
8221 CTGCTCAGCA GGAATGGGGC TAGGTGCTTC CTCCCCTGGG GACTTCACCT GCTCTCCCTC
8281 CTGGGATAAG ACGGCAGCCT CCTCCTTGGG GGCAGCAGCA TTCAGTCCTC CAGGTCTCCT
8341 GGGGGTCGTG ACCTGCAGGA GGAATAAGAG GGCAGACTGG GCAGAAAGGC CTTCAGAGCA
8401 CCTCATCCTC CTGTTCTCAC ACTGGGGTGT CACAGTCCTG GGAAGTTCTT CCTTTTCAGT
8461 TGAGCTGTGG TAACCTTGTG AGTTTCCTGG AGGGGGCCTG CCACTACCCT TGGGACTCCC
8521 TGCCGTGTGT CTGGGTCTAA CTGAGCTCTG AAAGGAGAGA GCCCCAGCCC TGGGCCTTCC
8581 AGGGGAAGCC TTACCTCAGA GGTTGGCTTC TTCCTACTCT TGACTTTGCG TCTCTGCAGA
8641 GGGAGGTGGG AGGGGTGACA CAACCCTGAC ACCCACACTA TGAGTGATGA GTAGTCCTGC
8701 CCCGACTGGC CCATCCTTTC CAGGTGCAGT CCCCCTTACT GTGTCTGCCA AGGGTGCCAG
8761 CACAGCCGCC CCACTCCAGG GGAAGAGGAG TGCCAGCCCT TACCACCTGA GTGGGCACAG
8821 TGTAGCATTT ATTCATTAGC CCCCACACTG GCCTGACCAT CTCCCCTGTG GGCTGCATGA
8881 CAAGGAGAGA GAACAGGCTG AGGTGAGAGC TACTGTCAAC ACCTAAACCT AAAAAATCTA
8941 TAATTGGGCT GGGCAGGGTG GCTCACGCCT GTAATCCCAG CACTTTGGGA GGCCGAGATG
9001 GGTGGATCAC CTGAGGTCAG ATGTTCGAGA CCAGCCTGGC CAACATGGTG AAACCCCGTC
9061 TCTACTAAAA ATACAAAAAA TTAGCTGGGC GTGGTGGTGG GTGCCTGTAA TCCCAGCTAC
9121 TCAGGAGGCT GAGGCAGGAG AATTGCTTGA ACCTGGGAGG CAGAGGCTGC AGTGAGCCGA
9181 GATCGCATCA TTGCACTCCA GCCTGGTCAA CAAGAGTGAA ACTGTCTTAA AAAAAAAATC
9241 TATAATTGAT ATCTTTAGAA AGATAAAACT TTGCATTCAT GAAATAAGAA TAGGAGGGTC
9301 TAAAATAAAA ATGTTCAAAC ACCCACCACC ACTAATTCTT GACAAAAATA TAGTCTGGGT
9361 GCCTTAGCTC ATGCCTGTAA TCCCAGCATT TTGGGAGGCT AAGGCAGGAG GATTGTTTGA
9421 GCCTAGGAAT TC

FIGURE 2

1 GAATTCAAGA CCAGCCTGGA CAACTTGGAA GAACC**S**GGTC TCTACAAAAA ATACAAAATT
61 AGCTGGGATT GGGTGCGGTG GCTCATGCCT ATAATCCCAG CACTTTGGGA GCCTGAGGTG
121 GGTGGATCAC CTGAAGTCAG GAGTTCAAGA CTAGCCTGGC CAACATGGTG AAACCCTATC
181 TCTACTGAAA ATA**Y**AAAAAG CTAGACGTGG TGGCACACAC CTGTAATCCC AGCTACTTAG
241 GAGGCTGAGG CAGGAGAATT GCTTGAAGCC TAGAGGTGAA GGTTGTAGTG AGCCGAGATT
301 GCATCATTGC ACAATGGAGG GGAGCCACCA GCCTGGGCAA CAAGAGGAAA TCTCCGTCTC
361 CAAAAAAAAA AAAAAAAAAA AAAG**R**ATTAG GCTGGGTGGT GCCTGTAGTC CCAGCTACTT
421 GGGAGGCAGG GGGTCCACTT GATGTCGAGA CTGCAGTGAG CCATGATCCT GCCACTGCAC
481 TCCGGCCTGG GCAACAGAGT GAGACCCTGT CTAAAGAAAA AAAAAATAAA GCAACATATC
541 CTGAACAAAG GATCCTCCAT AACGTTCCCA CCAGATTTCT AATCAGAAAC ATGGAGGCCA
601 GAAAGCAGTG GAGGAGGAC**R** ACCCTCAGGC AGCCCGGGAG GATGTTGTCA CAGGCTGGGG
661 CAAGGGCCTT CCGGCTACCA ACTGGGAGCT CTGGGAACAG CCCTGTTGCA AACAAGAAGC
721 CATAGCCCGG CCAGAGCCCA GGAATGTGGG CTGGGCTGGG AGCAGCCTCT GGACAGGAGT
781 GGTCCCATCC AGGAAACCTC CGGCATGGCT GGGAAGTGGG GTACTTGGTG CCGGGTCTGT
841 ATGTGTGTGT GACTGGTGTG TGTGAGAGAG AATGTGTGC**Y** CTAAGTGTCA GTGTGAGTCT
901 GTGTATGTGT GAATATTGTC TTTGTGTGGG TGATTTTCTG C**R**TGTGTAAT CGTGTCCCTG
961 CAAGTGTGAA CAAGTGGACA AGTGTCTGGG AGTGGACAAG AGATCTGTGC ACCATCAGGT
1021 GTGTGCATAG CGTCTGTGCA TGTCAAGAGT GCAAGGTGAA GTGAAGGGAC CAGGCCCATG
1081 ATGCCACTCA TCATCAGGAG CTCTAAGGCC CCAGGTAAGT GCCAGTGACA GATAAGGGTG
1141 CTGAAGGTCA CTCTGGAGTG GGCAGGTGGG GGTAGGGAAA GGGCAAGGCC ATGTTCTGGA
1201 GGAGGGGTTG TGACTACATT AGGGTGTATG AGCCTAGCTG GGAGGTGGAT GGCC**R**GGTCC
1261 ACTGAAACCC TGGTTATCCC AGAAGGCTTT GCAGGCTTCA GGAGCTTGGA GTGGGGAGAG
1321 GGGGTGACTT CTCCGACCAG GCCCCTCCAC CGGCCTACCC TGGGTAAGGG CCTGGAGCAG
1381 GAAGCAGGGG CAAGAACCTC TGGAGCAGCC CATACCCGCC CTGGCCTGAC TCTGCCACTG
1441 GCAGCACAGT CAACACAGCA GGTTCACTCA CAGCAGAGGG CAAAGGCCAT CATCAGCTCC
1501 CTTTATAAGG GAAGGGTCAC GCGCTCGGTG TGCTGAGAGT GTCCTGCCTG GTCCTCTGTG
1561 CCTGGTGGGG TGGGGGTGCC AGGTGTGTCC AGAGGAGCCC ATTTGGTAGT GAGGCAGGTA
1621 TGGGGCTAGA AGCACTGGTG CCCCTGGCCG TGATAGTGGC CATCTTCCTG CTCCTGGTGG

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FIGURE 3

One Base Sequencing (OBS) Outline